

No. of Printed Pages : 3

MEV-019

**MASTER OF SCIENCE
(ENVIRONMENTAL SCIENCE)
(MSCENV)**

**Term-End Examination
June, 2022**

**MEV-019 : RESEARCH METHODOLOGY FOR
ENVIRONMENTAL SCIENCE**

Time : 3 Hours

Maximum Marks : 100

Note : Answer *any ten* questions. All questions carry equal marks.

1. Write short notes on the following : 5+5=10
 - (a) Descriptive Research
 - (b) Analytical Research

2. What is statistics ? Explain the role of statistics in environmental science. 2+8=10

3. Discuss the factors affecting the selection of a research topic. 10

P. T. O.

4. What is frequency distribution ? Explain the different types of frequency distribution.
2+8=10
5. What is a research publication ? Explain the outline of a research paper.
2+8=10
6. Explain the significance of diagrammatic representation of data.
10
7. Explain the different methods of data collection.
10
8. What are the measures of dispersion ? Explain the different measures of dispersion.
2+8=10
9. What is peer review ? Explain the significance of peer review in research publication.
2+8=10
10. What is correlation coefficient ? Describe the important properties of correlation coefficient.
2+8=10

[3]

11. Write short notes on the following : 5+5=10

(a) Chi-square distribution

(b) Student's *t*-distribution

12. Write short notes on the following : 5+5=10

(a) Critical regions

(b) Level of significance

13. Discuss the ethical issues related to research
publication. 10

14. Write short notes on the following : 5+5=10

(a) Copyright

(b) Intellectual Property Rights